

IN THE CLAIMS

Applicant provides the following complete listing of all the claims in the application that shows the status of all pending claims and markings to show current changes:

1. (Currently Amended) A method of cleaning at least one surface to be cleaned from a group consisting of a light-transmissive surface and/or and a light reflective surface, the surface to be cleaned being in contact with a fluid flow comprising particles extracted or generated in an oil extraction installation, said method comprising:

providing a source of flushing fluid comprising ozone;

providing means for flushing said surface to be cleaned with said flushing fluid; and

_____operating said flushing means such that said surface to be cleaned is flushed with said flushing fluid.

2. (Original) A method according to claim 1, wherein said flushing fluid comprises a flushing liquid/ozone mixture, said source of flushing fluid comprising a reservoir of said flushing liquid and means for generating ozone and mixing the same with said flushing liquid prior to the flushing operation.

3. (Original) A method according to claim 2, wherein said flushing liquid is an ozone solvent such that on mixing said flushing liquid with ozone a flushing liquid/ozone solution is formed.

4. (Original) A method according to claim 3, wherein the flushing liquid is water.

5. (Original) A method according to claim 3, wherein the flushing means ejects the flushing liquid/ozone solution at high pressure.
6. (Original) A method according to claim 3, wherein the flushing liquid is saturated with ozone.
7. (Currently Amended) A method according to claim 6, wherein the step of saturating the flushing liquid with ozone is carried out at a higher pressure than that of the fluid flow in contact with the surface to be cleaned, such that when the step of flushing said surface to be cleaned ~~or surfaces~~ is carried out the drop in pressure results in ozone coming out of solution.
8. (Currently Amended) A method according to claim 1, wherein the method is for cleaning one or more of the surface to be cleaned ~~light-transmissive and/or reflective~~ of components of an apparatus for optically monitoring characteristics of said fluid flow.
9. (Withdrawn) Apparatus for optically monitoring characteristics of a fluid flow comprising particles extracted or generated in an oil extraction installation, the apparatus comprising:
- a duct for receiving the fluid flow;
 - light generating means adjacent the duct for transmitting light into the fluid flow via a light-transmissive part of the duct;

light-responsive detection means for receiving light from the light generating means that has passed through the fluid flow;

means for processing signals produced by the detection means so as to provide data relating to the fluid flow;

flushing means adapted to flush the light-transmissive part of the duct with a flushing fluid comprising ozone; and

means for generating said ozone.

10. (Withdrawn) Apparatus according to claim 7, further comprising means for monitoring the optical characteristics of said light-transmissive part comprising:

light reflecting means adapted to reflect a proportion of the light passing through the light-transmissive part;

light-responsive detection means for receiving said reflected light; and

means for processing the data produced by said reflected light detection means so as to produce data relating to said light-transmissive part, wherein the flushing means is further adapted to flush the light reflecting means with flushing fluid.

11. (New) A method according to claim 1, further comprising:

providing a duct for receiving the fluid flow;

transmitting light with a light generating means into the fluid flow via a light-transmissive part of the duct;

receiving light from the light generating means that has passed through the fluid flow with a light-responsive detection means; and

providing data relating to the fluid flow with a means for processing signals produced by the light-responsive detection means.

12. (New) A method of cleaning at least one surface to be cleaned from a group consisting of a light-transmissive surface and a light reflective surface, the surface to be cleaned being in contact with a fluid flow comprising particles extracted or generated in an oil extraction installation, said method comprising:

providing a source of flushing fluid comprising ozone and a means for generating the ozone;

providing means for flushing said surface to be cleaned with said flushing fluid;

providing a duct for receiving the fluid flow;

transmitting light with a light generating means into the fluid flow via a light-transmissive part of the duct;

receiving light from the light generating means that has passed through the fluid flow with a light-responsive detection means;

operating said flushing means such that said surface to be cleaned is flushed with said flushing fluid; and

providing data relating to the fluid flow with a means for processing signals produced by the light-responsive detection means.